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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/573,442

DATE: 07/18/2002  
TIME: 13:32:13

Input Set : D:\46433-20001.txt  
Output Set: N:\CRF3\07182002\I573442.raw

3 <110> APPLICANT: Genway Biotech, Inc.  
4 Duan, Lingxun  
5 Zhang, Weiwei  
7 <120> TITLE OF INVENTION: METHODS AND VECTORS FOR GENERATING ANTIBODIES IN AVIAN  
8 SPECIES AND USES THEREFOR  
11 <130> FILE REFERENCE: 46433-20001.20  
13 <140> CURRENT APPLICATION NUMBER: US 09/573,442  
14 <141> CURRENT FILING DATE: 2000-05-16  
16 <150> PRIOR APPLICATION NUMBER: PCT/US99/26843  
17 <151> PRIOR FILING DATE: 1999-11-12  
19 <150> PRIOR APPLICATION NUMBER: US 60/108,487  
20 <151> PRIOR FILING DATE: 1998-11-16  
22 <160> NUMBER OF SEQ ID NOS: 24  
24 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
26 <210> SEQ ID NO: 1  
27 <211> LENGTH: 22  
28 <212> TYPE: DNA  
29 <213> ORGANISM: Artificial sequence  
31 <220> FEATURE:  
32 <223> OTHER INFORMATION: CMV-1 oligonucleotide  
34 <400> SEQUENCE: 1  
35 caccctgaat tgactctt tc 22  
37 <210> SEQ ID NO: 2  
38 <211> LENGTH: 42  
39 <212> TYPE: DNA  
40 <213> ORGANISM: Artificial sequence  
42 <220> FEATURE:  
43 <223> OTHER INFORMATION: Pacll-1 oligonucleotide  
45 <400> SEQUENCE: 2  
46 atatgaattc ttaattaaaga tctccatgg ggcctctcct tc 42  
48 <210> SEQ ID NO: 3  
49 <211> LENGTH: 35  
50 <212> TYPE: DNA  
51 <213> ORGANISM: Artificial sequence  
53 <220> FEATURE:  
54 <223> OTHER INFORMATION: Pacl oligonucleotide  
56 <400> SEQUENCE: 3  
57 cgccgaattc gcggccgcta ccaggttaat gtacc 35  
59 <210> SEQ ID NO: 4  
60 <211> LENGTH: 34  
61 <212> TYPE: DNA  
62 <213> ORGANISM: Artificial sequence  
64 <220> FEATURE:

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65 <223> OTHER INFORMATION: ter-2 oligonucleotide  
 67 <400> SEQUENCE: 4  
 68 cgagtagttt aaacaaaaaa cccctcaagt cccg 34  
 70 <210> SEQ ID NO: 5  
 71 <211> LENGTH: 31  
 72 <212> TYPE: DNA  
 73 <213> ORGANISM: Artificial sequence  
 75 <220> FEATURE:  
 76 <223> OTHER INFORMATION: T7A oligonucleotide  
 78 <400> SEQUENCE: 5  
 79 agatctgttt aaaccagggtg gcactttcg g 31  
 81 <210> SEQ ID NO: 6  
 82 <211> LENGTH: 31  
 83 <212> TYPE: DNA  
 84 <213> ORGANISM: Artificial sequence  
 86 <220> FEATURE:  
 87 <223> OTHER INFORMATION: T7B oligonucleotide  
 89 <400> SEQUENCE: 6  
 90 agatctgttt aaacagctgt ttccctgttg a 31  
 92 <210> SEQ ID NO: 7  
 93 <211> LENGTH: 20  
 94 <212> TYPE: PRT  
 95 <213> ORGANISM: Artificial Sequence  
 97 <220> FEATURE:  
 98 <223> OTHER INFORMATION: chicken IgY Vh1 signal domain  
 100 <400> SEQUENCE: 7  
 101 Met Ser Pro Leu Val Ser Ser Leu Leu Leu Ala Ala Leu Pro Gly  
 102 1 5 10 15  
 103 Leu Met Ala Ala  
 104 20  
 106 <210> SEQ ID NO: 8  
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 108 <212> TYPE: DNA  
 109 <213> ORGANISM: Artificial sequence  
 111 <220> FEATURE:  
 112 <223> OTHER INFORMATION: Linker-1  
 114 <400> SEQUENCE: 8  
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 116 tgatggcgcc c 71  
 118 <210> SEQ ID NO: 9  
 119 <211> LENGTH: 62  
 120 <212> TYPE: DNA  
 121 <213> ORGANISM: Artificial sequence  
 123 <220> FEATURE:  
 124 <223> OTHER INFORMATION: Linker-2  
 126 <400> SEQUENCE: 9  
 127 cagatcctct tcgaagctag cggccgcgaa ttcttaatta aggccgcatt cagccctggc 60  
 128 ag 62  
 130 <210> SEQ ID NO: 10

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131 <211> LENGTH: 32  
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 133 <213> ORGANISM: Artificial sequence  
 135 <220> FEATURE:  
 136 <223> OTHER INFORMATION: MF 18 oligonucleotide  
 138 <400> SEQUENCE: 10  
 139 ggaagcttgc cgccatggct gctaggctgt gc 32  
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 142 <211> LENGTH: 25  
 143 <212> TYPE: DNA  
 144 <213> ORGANISM: Artificial sequence  
 146 <220> FEATURE:  
 147 <223> OTHER INFORMATION: MF 19 oligonucleotide  
 149 <400> SEQUENCE: 11  
 150 gtggagacgg attagtagatcca tggcc 25  
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 154 <212> TYPE: DNA  
 155 <213> ORGANISM: Artificial sequence  
 157 <220> FEATURE:  
 158 <223> OTHER INFORMATION: MF 26 oligonucleotide  
 160 <400> SEQUENCE: 12  
 161 aagagctcgc caccatggcc ctatcctatac aac 33  
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 164 <211> LENGTH: 29  
 165 <212> TYPE: DNA  
 166 <213> ORGANISM: Artificial sequence  
 168 <220> FEATURE:  
 169 <223> OTHER INFORMATION: HBVpol-2 oligonucleotide  
 171 <400> SEQUENCE: 13  
 172 tcaccttaag gtgttggaaag gtggtttga 29  
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 175 <211> LENGTH: 29  
 176 <212> TYPE: DNA  
 177 <213> ORGANISM: Artificial sequence  
 179 <220> FEATURE:  
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 182 <400> SEQUENCE: 14  
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 185 <210> SEQ ID NO: 15  
 186 <211> LENGTH: 30  
 187 <212> TYPE: DNA  
 188 <213> ORGANISM: Artificial sequence  
 190 <220> FEATURE:  
 191 <223> OTHER INFORMATION: Pol-4 oligonucleotide  
 193 <400> SEQUENCE: 15  
 194 aaccaagctt cacgggtggtc tggatgcaac 30  
 196 <210> SEQ ID NO: 16  
 197 <211> LENGTH: 22

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199 <213> ORGANISM: Artificial sequence
201 <220> FEATURE:
202 <223> OTHER INFORMATION: hCD34-1 primer
204 <400> SEQUENCE: 16
205 gaaggatgct ggtccgcagg gg 22
207 <210> SEQ ID NO: 17
208 <211> LENGTH: 22
209 <212> TYPE: DNA
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212 <220> FEATURE:
213 <223> OTHER INFORMATION: hCD34-2 primer
215 <400> SEQUENCE: 17
216 caccttagccg agtcacaatt cg 22
218 <210> SEQ ID NO: 18
219 <211> LENGTH: 21
220 <212> TYPE: DNA
221 <213> ORGANISM: Artificial sequence
223 <220> FEATURE:
224 <223> OTHER INFORMATION: Cp 53-1 oligonucleotide
226 <400> SEQUENCE: 18
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229 <210> SEQ ID NO: 19
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232 <213> ORGANISM: Artificial sequence
234 <220> FEATURE:
235 <223> OTHER INFORMATION: Cp 53-2 oligonucleotide
237 <400> SEQUENCE: 19
238 tcagtccgag ccttttgca gcag 24
240 <210> SEQ ID NO: 20
241 <211> LENGTH: 18
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: C-Ras-1 oligonucleotide
248 <400> SEQUENCE: 20
249 atgaccgagt acaagctg 18
251 <210> SEQ ID NO: 21
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253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: C-Ras-2 oligonucleotide
259 <400> SEQUENCE: 21
260 tcacgatatac acgcatttac ag 22
262 <210> SEQ ID NO: 22
263 <211> LENGTH: 44
264 <212> TYPE: DNA
  
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265 <213> ORGANISM: Artificial Sequence  
267 <220> FEATURE:  
268 <223> OTHER INFORMATION: polilinker region DNA sequence  
270 <400> SEQUENCE: 22  
271 atggagatct taattaagaa ttcgcggccg ctaccaggta agtg 44  
273 <210> SEQ ID NO: 23  
274 <211> LENGTH: 95  
275 <212> TYPE: DNA  
276 <213> ORGANISM: Artificial Sequence  
278 <220> FEATURE:  
279 <223> OTHER INFORMATION: polilinker region DNA sequence  
281 <400> SEQUENCE: 23  
282 atgagcccac tcgttcctc ctcctgctc ctggccgcc tgccaggct gatggccgc 60  
283 ttaattaaga attcgccgc gctaccaggta aagtgc 95  
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286 <211> LENGTH: 20  
287 <212> TYPE: PRT  
288 <213> ORGANISM: Artificial Sequence  
290 <220> FEATURE:  
291 <223> OTHER INFORMATION: chicken IgY Vh1 secreted domain  
293 <400> SEQUENCE: 24  
294 Met Ser Pro Leu Val Ser Ser Leu Leu Leu Ala Ala Leu Pro Arg  
295 1 5 10 15  
296 Leu Met Ala Ala  
297 20

**VERIFICATION SUMMARY**

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